



# RadioFreq SURG RFS-4000K

## Radiofrequency-The Future of Surgery

### ● Operational Principle:

Radio Frequency SURG RFS-4000K has applied the most advanced directional emission technology of radio frequency, when radio frequency electric wave which generated by point electrodes contacts the tissue, the tissue impedance will absorb electric wave, then the water molecules in the tissue will be vaporized under the action of electric wave, leading to the rupture and evaporation of cells and actualizing the function of **cut, fulguration and coagulation, etc.**

When the human body poor contacts with the insulated neutral plate, the worst condition is that the decrease of contact capacitance will lead to energy shortage of radio frequency transmission during cutting. **It completely eliminates skin burns which may be caused by poor contact with the conductive neutral plate during the use of traditional electrosurgical units,**



### ● Technical Specifications:

Monopolar Working Frequency:	4.0 ± 0.400 MHz
Bipolar Working Frequency:	1.71 ± 0.250 MHz
Output Power:	100W adjustable, 1 path interval
Power Supply:	AC220V ± 22V, 50Hz ± 1Hz



## ● Features:

The electrode does not generate heat (precise cutting), no adhesive tissue under radio frequency emission, heat injury is less than 15 micron, the electrode is insulated and flexible, pressureless incision, no lateral heat conduction, no ambustion of the tissue (no influence on examination of case detection, no alteration in cell shape), no tissue dropsy, neutral plate does not need full contact with skin (no electric current passing through human body), reduced pain, minimal scar, minimal smoke, maximized hemorrhage control, enhanced healing.



RFS-4000K has bipolar function, it is different with traditional High Frequency Electrosurgical Unit (300-500KHz).

It is the 1st radio frequency (1.5MHz-4.5MHz) surgical equipment in China, which is in line with international advanced technology.

It is a pioneer of radio frequency surgical unit in China.

There are 5 working modes: cut, coagulation, cut&coag, fulguration and bipolar. Various shapes of dedicated electrodes could satisfy operation requirements in different division.



Footswitches



Bipolar Forcep



RF Surgipens



Neutral Plates

## ● Standard Accessories:

Footswitches, double-switch RF surgipens, RF Surgipens for fulguration, bipolar forcep, connecting wire of bipolar forcep, neutral plates, connecting line of neutral plates and standard electrodes for different division, etc.

## ● Application Area:

**Gynecology** (Uterine Erosion, Cervical Polyp, Genital Ulcers and Leep Operation, etc.), **Cosmetic Plastic Surgery of Skin**, **Otorhinolaryngology**, **General Surgery**, **Minimally Invasive Spine Surgery**, Neurosurgery, Pain Clinic, Oculoplastics, Orthopedics and Sports Medicine, Cardiovascular, Stomatology